

ABSTRACT OF THE DISCLOSURE

A metal vapor discharge lamp, comprises: a translucent ceramic envelope, the envelope comprising a center bulb for defining a discharge space and side tubes, the center bulb and the side tubes being integrally molded; a pair of current suppliers extending through hollows of the side tubes respectively, each of the current suppliers comprising an electrode and a lead-in wire, a first end of the electrode being disposed in the discharge space, a second end of the electrode being connected with the lead-in wire; a sealant for hermetically sealing open ends of the side tubes; and a light-emitting metal contained in the discharge space. An inner wall and an external wall of a seamless boundary portion between the center bulb and each of the side tubes have the smallest curvature radius of  $R_1$  mm and  $R_0$  mm, respectively. The center bulb has an inner diameter of  $D$  mm. The lamp has an electric power of  $P$  watts. The radius  $R_1$ , radius  $R_0$ , diameter  $D$  and electric power  $P$  satisfy, Formula (1):

$$-0.00076P + 0.304 \leq R_1/D \leq -0.00076P + 0.490,$$

where  $P \leq 350$  watts; and Formula (2):  $1.28R_0 \leq R_1 \leq 1.39R_0$ .